

COC # 88

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(541) 383-9310 FAX 382-7588

CHAIN OF CUSTODY REPORT

Work Order #: M106049

CLIENT: BRISTOL		INVOICE TO: BRISTOL										TURNAROUND REQUEST in Business Days* Organic & Inorganic Analyses <div style="display: flex; justify-content: space-around;"> <div>10 7 5 4 3 2 1 <1</div> <div>STD. Petroleum Hydrocarbon Analyses</div> </div> <div style="display: flex; justify-content: space-around;"> <div>5 4 3 2 1 <1</div> <div>STD. Please Specify</div> </div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">OTHER</div>					
REPORT TO: ANNE KRANAWETTER		P.O. NUMBER: 21090															
ADDRESS: AMCHITKA ISLAND, ALASKA																	
PHONE: 907-770-0974 FAX: 770-0975																	
PROJECT NAME: AMCHITKA		REQUESTED ANALYSES															
PROJECT NUMBER: 21090																	
SAMPLED BY:																	
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	DRD	BTEX w/nap.											MATRIX (W, S, O)	# OF CONT.	COMMENTS	NCA WO ID
1. 01AWA1304SL	6/16/01 1342	X	X											S	2		
2. 01AWA1305SL	6/16/01 1345	X	X											S	2		
3.																	
4.																	
5.																	
6.																	
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14.																	
15.																	

RELINQUISHED BY: <i>Charlie Marshall</i>	FIRM: BRISTOL	DATE: 6/16/01	RECEIVED BY: <i>Craig Bradle</i>	DATE: 6/16/01
PRINT NAME: Charlie Marshall		TIME: 1601	PRINT NAME: Craig Bradle	TIME: 1600
RELINQUISHED BY:	FIRM:	DATE:	RECEIVED BY:	DATE:
PRINT NAME:		TIME:	PRINT NAME:	TIME:

ADDITIONAL REMARKS:

 COC REV 3/99

TEMP: 611
 PAGE 1 OF 1



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541.383.9310 fax 541.382.7588

6 December, 2001

Anne Kranawetter
Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

RE: Amchitka

Enclosed are the results of analyses for samples received by the laboratory on 06/16/01 16:01. If you have any questions concerning this report, please feel free to contact me.

This report was recreated from a previously issued final report in order to provide an electronic copy. The final report used for these electronic copies may have been previously issued as an amended report due to client requested changes to sample names, etc. No data has changed since submission of the previously issued final, or amended, report.

Sincerely,

Stephen Wilson
Environmental Group Leader

Work Orders included in this report:

M106049



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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/20/01 22:10

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
01AMA1304SL	M106049-01	Soil	06/16/01 13:42	06/16/01 16:01
01AMA1305SL	M106049-02	Soil	06/16/01 13:45	06/16/01 16:01

C. O. C. # 88

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

North Creek Analytical, Inc.
Environmental Laboratory Network

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2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/20/01 22:10

Diesel Hydrocarbons (C10-C25) per AK102
North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
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01AMA1304SL (M106049-01) Soil

Sampled: 06/16/01 Received: 06/16/01

Diesel Range Organics	243	150	mg/kg dry	1	AK 102	06/18/01	06/19/01	0106061	
<i>Surr: 1-Chlorooctadecane</i>	84.9 %	50-150							
<i>Surr: Triacontane</i>	125 %	50-150							

01AMA1305SL (M106049-02) Soil

Sampled: 06/16/01 Received: 06/16/01

Diesel Range Organics	ND	150	mg/kg dry	1	AK 102	06/18/01	06/19/01	0106061	
<i>Surr: 1-Chlorooctadecane</i>	90.7 %	50-150							
<i>Surr: Triacontane</i>	93.3 %	50-150							

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Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/20/01 22:10

BTEX, MTBE and Naphthalene per EPA Method 8021B

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
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01AMA1304SL (M106049-01) Soil

Sampled: 06/16/01 Received: 06/16/01

Benzene	ND	0.0507	mg/kg dry	50	1B BTEX/MTI	06/19/01	06/20/01	0106066	
Toluene	ND	0.203	"	"	"	"	"	"	
Ethylbenzene	ND	0.203	"	"	"	"	"	"	
Xylenes (total)	ND	0.405	"	"	"	"	"	"	
Naphthalene	ND	2.03	"	"	"	"	"	"	

Surr: 4-BFB 83.6 % 50-150

01AMA1305SL (M106049-02) Soil

Sampled: 06/16/01 Received: 06/16/01

Benzene	ND	0.0495	mg/kg dry	50	1B BTEX/MTI	06/19/01	06/20/01	0106066	
Toluene	ND	0.198	"	"	"	"	"	"	
Ethylbenzene	ND	0.198	"	"	"	"	"	"	
Xylenes (total)	ND	0.396	"	"	"	"	"	"	
Naphthalene	ND	1.98	"	"	"	"	"	"	

Surr: 4-BFB 82.7 % 50-150

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/20/01 22:10

Physical Parameters per APHA/ASTM/EPA Methods
North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMA1304SL (M106049-01) Soil					Sampled: 06/16/01 Received: 06/16/01				
% Solids	91.2	0.0100 % by Weight		1	Gravimetric	06/17/01	06/18/01	0106062	
01AMA1305SL (M106049-02) Soil					Sampled: 06/16/01 Received: 06/16/01				
% Solids	84.9	0.0100 % by Weight		1	Gravimetric	06/17/01	06/18/01	0106062	

North Creek Analytical - Mobile Lab

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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/20/01 22:10

Diesel Hydrocarbons (C10-C25) per AK102 - Quality Control

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 0106061 - 3545 ASE

Blank (0106061-BLK1)

Prepared: 06/18/01 Analyzed: 06/19/01

Diesel Range Organics ND 150 mg/kg wet

Surr: 1-Chlorooctadecane 19.1 " 23.4 81.6 50-150

Surr: Triacontane 17.1 " 23.4 73.1 50-150

LCS (0106061-BS1)

Prepared: 06/18/01 Analyzed: 06/19/01

Diesel Range Organics 1330 150 mg/kg wet 1250 106 75-125

Surr: 1-Chlorooctadecane 26.6 " 23.4 114 50-150

Surr: Triacontane 22.5 " 23.4 96.2 50-150

LCS Dup (0106061-BSD1)

Prepared: 06/18/01 Analyzed: 06/19/01

Diesel Range Organics 1380 150 mg/kg wet 1250 110 75-125 3.69 20

Surr: 1-Chlorooctadecane 21.6 " 23.4 92.3 50-150

Surr: Triacontane 21.4 " 23.4 91.5 50-150

Matrix Spike (0106061-MS1)

Source: M106048-01

Prepared: 06/18/01 Analyzed: 06/19/01

Diesel Range Organics 1730 150 mg/kg dry 1600 ND 108 60-140

Surr: 1-Chlorooctadecane 27.7 " 30.0 92.3 50-150

Surr: Triacontane 26.5 " 30.0 88.3 50-150

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Project: Amchitka
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Project Manager: Anne Kranawetter

Reported:
06/20/01 22:10

BTEX, MTBE and Naphthalene per EPA Method 8021B - Quality Control

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 0106066 - MeOH Extraction

Blank (0106066-BLK1)

Prepared & Analyzed: 06/19/01

Benzene	ND	0.0250	mg/kg wet
Toluene	ND	0.100	"
Ethylbenzene	ND	0.100	"
Xylenes (total)	ND	0.200	"
Naphthalene	ND	1.00	"

Surr: 4-BFB 2.23 " 2.50 89.2 50-150

LCS (0106066-BS1)

Prepared & Analyzed: 06/19/01

Benzene	1.95	0.0250	mg/kg wet	2.50	78.0	69-138
Toluene	1.99	0.100	"	2.50	79.6	53-151
Ethylbenzene	2.22	0.100	"	2.50	88.8	61-141
Xylenes (total)	6.26	0.200	"	7.50	83.5	62-141
Naphthalene	2.82	1.00	"	2.50	113	65-135

Surr: 4-BFB 2.32 " 2.50 92.8 50-150

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Project: Amchitka
Project Number: 21090
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Reported:
06/20/01 22:10

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis. MRLs are adjusted if %Solids are less than 50%.
wet Sample results reported on a wet weight basis (as received)
RPD Relative Percent Difference

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7 of 7

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			Report recreated from: \\sisters\elmnt\Report\M106049 FINAL 06 20 01 2210.mdb Default Report (not modified)